

WHAT IS CLAIMED:

1. An elastomeric laminate, comprising:

- Sub
A1
- a. an elastomeric film having a first major surface and a second major surface; and
- b. a strand of an elastomeric material secured to the first major surface of the elastomeric film.

2. The elastomeric laminate according to Claim 1, wherein:
the elastomeric strand material comprises a thermoplastic polymer.

3. The elastomeric laminate according to Claim 1, wherein:
the elastomeric film material comprises a thermoplastic polymer.

4. The elastomeric laminate according to Claim 1, wherein:
the elastomeric strand material comprises a thermoset polymer.

5. The elastomeric laminate according to Claim 1, wherein:
the elastomeric film material comprises a thermoset polymer.

6. The elastomeric laminate according to Claim 1, wherein:
the elastomeric composition of the strand material is the same as the elastomeric composition of the film material.

Sub
B1

7. The elastomeric laminate according to Claim 1, wherein:
the elastomeric composition of the strand material is different than the
elastomeric composition of the film material.

8. The elastomeric laminate according to Claim 1, further
comprising:

a facing sheet bonded to the laminate.

9. The elastomeric laminate according to Claim 8, wherein:
both major surfaces of the laminate are covered with facing sheets.

10. The elastomeric laminate according to Claim 8, wherein:
the facing sheet is a spunbond sheet.

11. The elastomeric laminate according to Claim 8, further
comprising:
a garment incorporating the elastomeric laminate and the facing sheet
into the structure of the garment.

12. The elastomeric laminate according to Claim 11 wherein the
garment is one selected from the group of personal care garments, medical garments
and industrial workwear garments.

Sub B

13. The elastomeric laminate according to Claim 12 wherein the garment is one selected from the group of: diapers, training pants, swim wear, absorbent underpants, adult incontinence products, feminine hygiene products, protective medical gowns, surgical medical gowns, caps, gloves, drapes, face masks laboratory coats and coveralls.

14. The elastomeric laminate according to Claim 1, further comprising:

a garment incorporating the elastomeric laminate into the structure of the garment.

15. The elastomeric laminate according to Claim 1, wherein: different portions of the elastomeric film exhibit different amounts of elastic tension.

Sub A

16. The elastomeric laminate according to Claim 15, further comprising a plurality of elastomeric strands on the elastomeric film surface, wherein at least some of the elastomeric strands exhibit different amounts of elastic tension.

17. The elastomeric laminate according to Claim 1, wherein: there are multiple elastomeric strands on the elastomeric film surface.

54B
A2
CONFIDENTIAL

18. The elastomeric laminate according to Claim 17, wherein:
at least some of the elastomeric strands exhibit different amounts of
elastic tension.

19. The elastomeric laminate according to Claim 17, wherein:
at least some of the elastomeric strands have different thicknesses.

20. The elastomeric laminate according to Claim 17, wherein:
at least some of the elastomeric strands have different compositions.

21. The elastomeric laminate according to Claim 17, wherein:
the elastomeric strands are arranged in periodic spacing.

22. The elastomeric laminate according to Claim 17, wherein:
the elastomeric strands are arranged in nonperiodic spacing.

23. The elastomeric laminate according to Claim 17, wherein:
the elastomeric strands are arranged in groups.

54B
A3

24. The elastomeric laminate according to Claim 23, wherein:
at least some of the groups exhibit different amounts of elastic tension
from each other.

25. The elastomeric laminate according to Claim 23, wherein:
the groups have different spacing between their elastomeric strands.

26. The elastomeric laminate according to Claim 1, further
comprising:

a second elastomeric strand secured to the second major surface of the
elastomeric film.

27. The elastomeric laminate according to Claim 1, wherein:
a second elastomeric film contacts the elastomeric strand thereby
placing the elastomeric strand between the elastomeric film and the second
elastomeric film.

28. An elastomeric laminate, comprising:
a. an elastomeric film having a first major surface and a second major
surface;

b. a plurality of strands of an elastomeric polymer material secured to
the first major surface of the elastomeric film; and

c. a facing sheet bonded to at least one of the elastomeric film or the
elastomeric strands.

29. A process of making an elastomeric laminate, comprising:

- a. producing an elastomeric film;
- b. producing elastomeric strands;
- c. securing the elastomeric strands to the elastomeric film.

30. The process of making an elastomeric laminate according to Claim 29, further comprising: the step of producing elastomeric film including placing elastomeric material extruded from a slotted film die onto a cooling roll; and stretching the elastomeric film from the cooling roll towards a nip formed between two nip rollers.

31. The process of making an elastomeric laminate according to Claim 30, further comprising: adding a tackifier to a formulation of the film.

32. The process of making an elastomeric laminate according to Claim 30, further comprising: the step of producing elastomeric strands including placing elastomeric material extruded from a filament die onto a cooling roll; and stretching the elastomeric strands from a cooling roll towards the nip formed between two nip rollers.

33. The process of making an elastomeric laminate according to Claim 32, further comprising: securing the elastomeric film and the elastomeric strands together in the nip.

34. A garment having an elastomeric laminate therein which is made by the process of Claim 33.

35. The process of making an elastomeric laminate according to Claim 29, further comprising: the step of producing elastomeric strands including placing elastomeric material extruded from a filament die onto a cooling roll; and stretching the elastomeric strands from a cooling roll towards a nip formed between two nip rollers.

36. The process of making an elastomeric laminate according to Claim 35, further comprising: adding a tackifier to a formulation of the strands.

37. The process of making an elastomeric laminate according to Claim 35 further including vertically stretching the elastomeric strands.

38. A garment having an elastomeric laminate therein which is made by the process of Claim 35.

39. The process of making an elastomeric laminate according to Claim 29, further comprising: spraying at least one of the film and strands with an adhesive before securing of the film and strands together.

40. The process of making an elastomeric laminate according to Claim 29, wherein the film is extruded onto a first cooling roll and the strands are extruded onto a second cooling roll.

41. The process of making an elastomeric laminate according to Claim 29, further including the step of keeping the laminate under tension with a pair of opposed tensioning rollers after it passes through the nip.

42. The process of making an elastomeric laminate according to Claim 41 including relaxing the laminate after passage through the opposed tensioning rollers.

43. A garment having an elastomeric laminate therein which is made by the process of Claim 41.

44. The process of making an elastomeric laminate according to Claim 29, further including the step of adhering a facing sheet to one side of the laminate.

45. The process of making an elastomeric laminate according to Claim 44, further including the step of adhering facing sheets onto both sides of the laminate.

46. The process of making an elastomeric laminate according to Claim 44, further including the step of adhering the facing sheet to the laminate in the nip.

47. The process of making an elastomeric laminate according to Claim 29, wherein at least one of the elastomeric film and the elastomeric strands is a thermoset polymer that is cross-linked prior to securing the elastomeric strands to the elastomeric film.

48. The process of making an elastomeric laminate according to Claim 29, wherein at least one of the elastomeric film and the elastomeric strands can be cross-linked after securing the elastomeric strands to the elastomeric film.

49. A garment having an elastomeric laminate therein which is made by the process of Claim 29.

50. A process of making an elastomeric laminate, comprising:

- a. extruding an elastomeric film onto a first cooling roll;
- b. extruding elastomeric strands onto a second cooling roll;

c. feeding the elastomeric film and elastomeric strands from the first and second cooling rolls into a roller nip and securing the elastomeric strands to the elastomeric film;

d. adhering a facing sheet to at least one of the elastomeric film and elastomeric strands in the roller nip.

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100